This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.   (Currently Amended) An extracorporeal blood processing ~~information management~~ system comprising:

an information management system having a central database;

a barcode data input device connected in data communication relationship with said information management system for acquiring scanned barcode data;

a data input device connected in data communication relationship with said central database;

a data manipulation device connected in data communication relationship with at least one of said central database and said data input device;

said data manipulation device having means for assigning the scanned barcode data to at least one of a plurality of blood processing categories relative to a particular type of blood processing procedure and means for using the assigned scanned barcode data in controlling a blood processing procedure; and

a communication subsystem connected in data communication relationship with at least one of said central database, said data input device and said data manipulation device; and

at least one extracorporeal blood processing machine adapted to execute said blood processing procedure;

~~whereby~~ said communication subsystem is being connected in data communication relationship with said at least one extracorporeal blood processing machine to provide for data communication to and from said at least one extracorporeal blood processing machine;

~~whereby data is communicated by said communication subsystem, said data comprising preparation data and run data;~~

~~whereby said communication subsystem communicates preparation data to said at least one extracorporeal blood processing machine, said preparation data being generated by said data manipulation device and used by said at least one extracorporeal blood processing machine in preparation of said at least one machine for an extracorporeal blood processing procedure; and~~

~~whereby said communication subsystem communicates run data from said at least one extracorporeal blood processing machine, whereby said run data represents information about an extracorporeal blood processing procedure run on said at least one blood processing machine.~~

2.   (Currently amended) An extracorporeal blood processing ~~information management~~ system according to claim 1 whereby ~~said~~ preparation data for preparation of said blood processing machine to perform a blood processing procedure is derived from stored database data communicated from said central database to said data manipulation device.

3.   (Cancelled)

4. (Currently Amended) An extracorporeal blood processing ~~information management~~ system according to claim 1 in which ~~said~~ run data is communicated by said communication subsystem from said at least one extracorporeal blood processing machine during said procedure.

5. (Currently amended) An extracorporeal blood processing ~~information management~~ system according to Claim 1 in which ~~said~~ run data is communicated to said at least one extracorporeal blood processing machine and is used by said at least one extracorporeal blood processing machine in preparation of said at least one extracorporeal blood processing machine for a discrete, subsequent extracorporeal blood processing procedure.

6. (Currently amended) An extracorporeal blood processing ~~information management~~ system according to Claim 1 in which ~~said~~ run data is communicated by said communication subsystem to said central database to create stored run data.

7. (Currently amended) An extracorporeal blood processing ~~information management~~ system according to Claim 6 in which said stored run data is communicated by said communication subsystem to said data manipulation device which manipulates said stored run data together with information concerning demand for selected blood

products to create preparation data which is communicated to at least one
extracorporeal blood processing machine which uses said preparation data in
preparation of said at least one machine for a discrete, subsequent extracorporeal blood
processing procedure.

8. (Currently amended) An extracorporeal blood processing information management
system according to claim 6 in which said stored run data includes blood component
loss data.

9. (Currently amended) An extracorporeal blood processing information management
system according to claim 6 in which said stored run data includes donation interval
data.

10. (Currently amended) An extracorporeal blood processing information management
system according to Claim 1 in which a report may be generated using said run data.

11. (Currently amended) An extracorporeal blood processing information management
system according to Claim 1 in which said central database contains information
concerning need for selected blood products and said preparation data is and said
information are manipulated by said manipulation device to create manipulated
preparation data for controlling said blood processing procedure.

12. (Currently amended) An extracorporeal blood processing information management
system according to Claim 11 in which said manipulated preparation data is comprises
optimized preparation data as a result of an optimization manipulation performed by
said manipulation device.

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16.   (Cancelled)

17. (Currently amended) An extracorporeal blood processing ~~information management~~ system according to Claim 1 which further comprises a computer program product including:

a module for collecting donor data;

a module for collecting information concerning demand for selected blood products;.

a module for manipulating said donor data and said information concerning demand for said selected blood products:

a module for assigning a donor to an extracorporeal blood processing system; and

a module for finalizing an extracorporeal blood procedure.

18. (Currently amended) An extracorporeal blood processing ~~information management~~ system according to Claim 17 in which said module for collecting donor data includes one or more sub-procedures which prompt a user to enter data.

19. (Currently amended) An extracorporeal blood processing ~~information management~~ system according to Claim 17 in which said module for collecting donor data includes one or more sub-procedures which provide for receiving donor data stored in a discrete storage medium.

20. (Cancelled)

21. (Cancelled)

22. (Original) A system according to claim 17 where said module for manipulating donor data includes one or more facilities which provide for optimizing donor data to create optimized donor data.

23. (Currently Amended) A system according to claim ~~17~~ 22 where said module for manipulating donor data includes one or more facilities which provide for manipulating said optimized donor data to create manipulated donor data.

24. (Currently Amended) A system according to claim 17 where said module for collecting data and said module for manipulating data are used to obtain a prediction of a procedure ~~for~~ which a donor is qualified to undergo ~~recruiting a donor to undergo the procedure~~.

25. (Original) A system according to claim 17 where said module for assigning a donor to an extracorporeal blood processing system includes one or more facilities which provide for determining the availability of a donor to be assigned to an extracorporeal blood processing system.

26. (Original) A system according to claim 17 where said module for assigning a donor to an extracorporeal blood processing system includes one or more facilities which provide for determining the availability of an extracorporeal blood processing system to which a donor may be assigned.

27. (Original) A system according to claim 17 where said module for finalizing an extracorporeal blood procedure includes one or more facilities which provide for monitoring a procedure.

28. (Original) A system according to claim 17 where said module for finalizing an extracorporeal blood procedure includes one or more facilities which provide for finalizing a procedure.

29. (Cancelled)

30. (Original) A system according to claim 17 which further comprises a module for monitoring a procedure.

31. (Original) A system for performing an extracorporeal blood collection procedure according to claim 17 which further comprises a reporting module for generating reports.

32. (Original) A system for performing an extracorporeal blood collection procedure according to claim 17 which further comprises an administration module for administrating parameters to be used in at least one of said module for collecting donor data; said module for manipulating said donor data; said module for assigning a donor to an extracorporeal blood processing system; and said module for finalizing an extracorporeal blood procedure.

33. (Original) An extracorporeal system according to claim 1 in which said communication subsystem is wireless.

34. (Original) An extracorporeal system according to claim 1 in which the communication subsystem includes orbital satellite communications equipment.

35. (Currently Amended) A method for data entry into a blood processing machine, comprising the steps of:
scanning barcode data into the blood processing machine via a barcode reader connected to the blood processing machine in data communication relationship therewith;
assigning the scanned barcode data to at least one of a plurality of particular blood processing category categories relative to a particular blood processing procedure; and using the assigned scanned barcode data in the management of at least one blood processing procedure.

36. (Original) A method, as claimed in Claim 35, in which the barcode data represents biological data relating to a source of whole blood.

37. (Original) A method, as claimed in Claim 35, in which the barcode data represents supply data relating to a supply for use in an blood processing procedure.

38. (Original) A method, as claimed in Claim 35, in which the barcode data becomes stored data in the central database, such stored data being useful in generating a report.

39. (Original) A method, as claimed in Claim 35, in which the barcode data becomes stored data in the central database, such stored data being useful in preparing for a subsequent procedure.

40. (Currently amended) An extracorporeal blood processing information management system comprising:

a central database, said central database containing information concerning demand for selected blood products;

a barcode data input device connected in data communication relationship with said central database;

means for assigning scanned bar code data to at least one of a plurality of blood processing categories relative to a particular type of blood processing procedure;

a data manipulation device connected in data communication relationship with at least one of said central database and said data input device and generating preparation data used by said at least one blood processing machine for controlling a blood processing procedure, said preparation data being generated, at least in part, based on said information concerning demand for selected blood procedures; and

a communication subsystem connected in data communication relationship with at least one of said central database, said data input device and said data manipulation device; and

at least one extracorporeal blood processing machine;

~~whereby~~ said communication subsystem ~~is~~ being connected in data communication relationship with said at least one extracorporeal blood processing machine to provide for data communication to and from said at least one extracorporeal blood processing machine;

~~whereby data is communicated by said communication subsystem, said data comprising barcode data and run data;~~

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~~whereby said communication subsystem communicates barcode data to said at least one extracorporeal blood processing machine, said barcode data being input by said barcode data input device; and~~

~~whereby said communication subsystem communicates barcode and run data from said at least one extracorporeal blood processing machine, whereby said run data represents information about an extracorporeal blood processing procedure run on said at least one blood processing machine.~~

41. (Original) A system as claimed in Claim 40 in which the barcode data input device is connected to an extracorporeal blood processing machine.

42. (Currently amended) A system as claimed in Claim 40 in which the blood processing machine includes a user interface which provides for assigning the barcode data to a ~~category~~ plurality of categories.

43. (Cancelled)

44. (Cancelled)

45. (Currently amended) A ~~method~~ system, as claimed in Claim 40, in which the barcode data becomes stored data in the central database, such stored data being useful in generating a report.

46.   (New) The extracorporeal blood processing system according to claim 1 further comprising means for assigning a plurality of scanned barcode data to a selected category of said plurality of categories.

47.   (New) The extracorporeal blood processing system of claim 1 wherein said plurality of categories includes at least some of the categories of comments/notes, anticoagulant, saline, donor identification, operator identification, laboratory identification, and storage solution.

48.   (New) The extracorporeal blood processing system of claim 1 further comprising means for assigning a datum of the scanned barcode data to multiple categories.

49.   (New) The method according to claim 35 further comprising assigning a plurality of scanned barcode data to a selected category of said plurality of categories.

50.   (New) The method of claim 35 wherein said plurality of categories includes at least some of the categories of comments/notes, anticoagulant, saline, donor identification, operator identification, laboratory identification, and storage solution.

51.   (New) The method of claim 35 further comprising assigning a datum of the scanned barcode data to multiple categories.